

CLAIMS

1. A lock-type disposal safe scalpel, comprising:

a blade, a handle and a sheath, said blade being fixedly attached to a front end of the handle, said sheath being fit over the front end of the handle and coupled to the handle with a sliding mechanism and a positioning mechanism so that the blade is changeable between an exposed position where the blade extends outside through an opening at the front end of the sheath and a hidden position where the blade is hidden inside the sheath;

5 said positioning mechanism having a button, a locking block, a protective locking recess, an operative locking recess and a sliding groove;

10 said sliding groove being longitudinally provided on the handle, and the protective locking recess and the operative locking recess being provided on the front and back end of the sliding groove, respectively, the button and the locking block being configured to be associated with plastic arms which extend from the front and back side of the sheath, respectively, the button pressing against the locking block so that 15 the locking block is transferable between a position at the protective locking recess and another position at the operative locking recess; and

20 a deadlock recess being provided on the front end of the protective locking recess of the sliding groove, and being provided with a hindering mechanism so as to prevent the locking block from disengaging therefrom, whereby the scalpel is brought into a deadlocked state.

2. A lock-type disposal safe scalpel according to claim 1, wherein:
said hindering mechanism being formed by a side surface of the
deadlock recess at the side of the protective locking recess, and the bottom of the side
surface being configured to be higher than a position where the locking block is
disengaged so that the locking block cannot be disengaged by the operation of the
button.

3. A lock-type disposal safe scalpel according to claim 1, wherein:
said hindering mechanism being formed by the deadlock recess
corresponding to a top portion at the side of the button, the top portion being
configured to be higher than a position where the button is disengaged so that the
button cannot be pressed into its disengagement position.

4. A lock-type disposal safe scalpel according to claim 1, wherein:
said hindering mechanism being formed by a spacing wall, the spacing
wall being provided in the deadlock so that the button and the locking block are
separated from each other, whereby the button cannot touch the locking block.